



RBSA 2022 Webinar #3

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Agenda



Background



Recruiting and Site Visits



Timeline



Background



NEEA's Business Plan: Stock Assessments



Single-family



Multi-family



“This will be the first cycle that natural gas funding supports the stock assessments.”



RBSA Workgroup

Purpose: The Residential Building Stock Assessment (RBSA) Work Group will provide NEEA with decision support and coordination on key components of the study's design and implementation.

- Avista
- Bonneville Power Administration
- Cascade Natural Gas
- Clark PUD
- Energy Trust of Oregon
- Idaho Power
- Northwest Natural Gas
- Northwest Power and Conservation Council
- Puget Sound Energy
- Regional Technical Forum
- Seattle City Light
- Snohomish County PUD

Residential Building Stock Assessment (RBSA)

Vision Statement:

“Support the region's energy efficiency, resource planning, and utility objectives through a regionally representative, statistically rigorous, and comprehensive assessment of residential buildings.”



Recruiting and Site Visits



Recruiting and Site Visits Overview

High Level Updates:

1. The 2022 RBSA is underway!
2. Numerous adjustments due to COVID-19
3. Recruitment strategy testing / adapting in real-time
4. Focus on ensuring both safety and representativeness



RBSA 2022 Site Visits – Single-Family

Statistics (as of 11/15):

- 34 sites completed to-date
- 2 cancellations
- 22 more sites scheduled

Slower recruitment ramp up due to testing and tracking efficiency



Recruiting for RBSA 2022

Recruitment Priorities:

1. Efficiency
2. Representativeness

Recruitment Challenges (due to COVID-19):

1. Efficiency
2. Representativeness



Recruiting a Representative Sample of SF Homes

Importance of Assessing Bias:

- People have different COVID-19 protocols, levels of comfort allowing people in their homes
- If this is correlated with home types or equipment at homes (e.g., solar PV) then there will be bias

Hypothesis: a standalone web survey may have less “COVID-19-related bias” than an in-home RBSA assessment.



Recruiting to a Web Survey, then to RBSA (SF)

Web Survey – Updated Approach:

1. No mention of RBSA site visit in recruitment mailer
2. Incentivized web survey (cash incentive)
3. Questions to gather information on certain building stock attributes (i.e., solar, EVs, gas appliances)
4. Soft recruit into RBSA on-site at the end of the survey
5. Analyze web survey responses versus participation in the RBSA on-site to assess bias



Recruitment Efficiency during COVID-19

Recruitment Efficiency:

- Recruitment rates are lower than expected (so far)
- 25% of web survey respondents that do not wish to participate in the on-site reference COVID-19 as a reason
- Testing multiple approaches and tracking recruitment rates versus cost
- Smaller volume recruitment to find the right path forward



Site Visits and COVID-19 Compliance

Executive Order 14042:

- Requires tracking transmission rates at the county-level
- Requirements for verifying vaccine status of fieldworkers
- We are nearly in compliance (will be soon)



RBSA 2022 Site Visits – Multi-Family

No sites complete yet (focus has been on SF)

Next Steps:

- Finalize multi-family data collection tool
- Initiate recruitment of multi-family property owners/managers, then tenants



Timeline



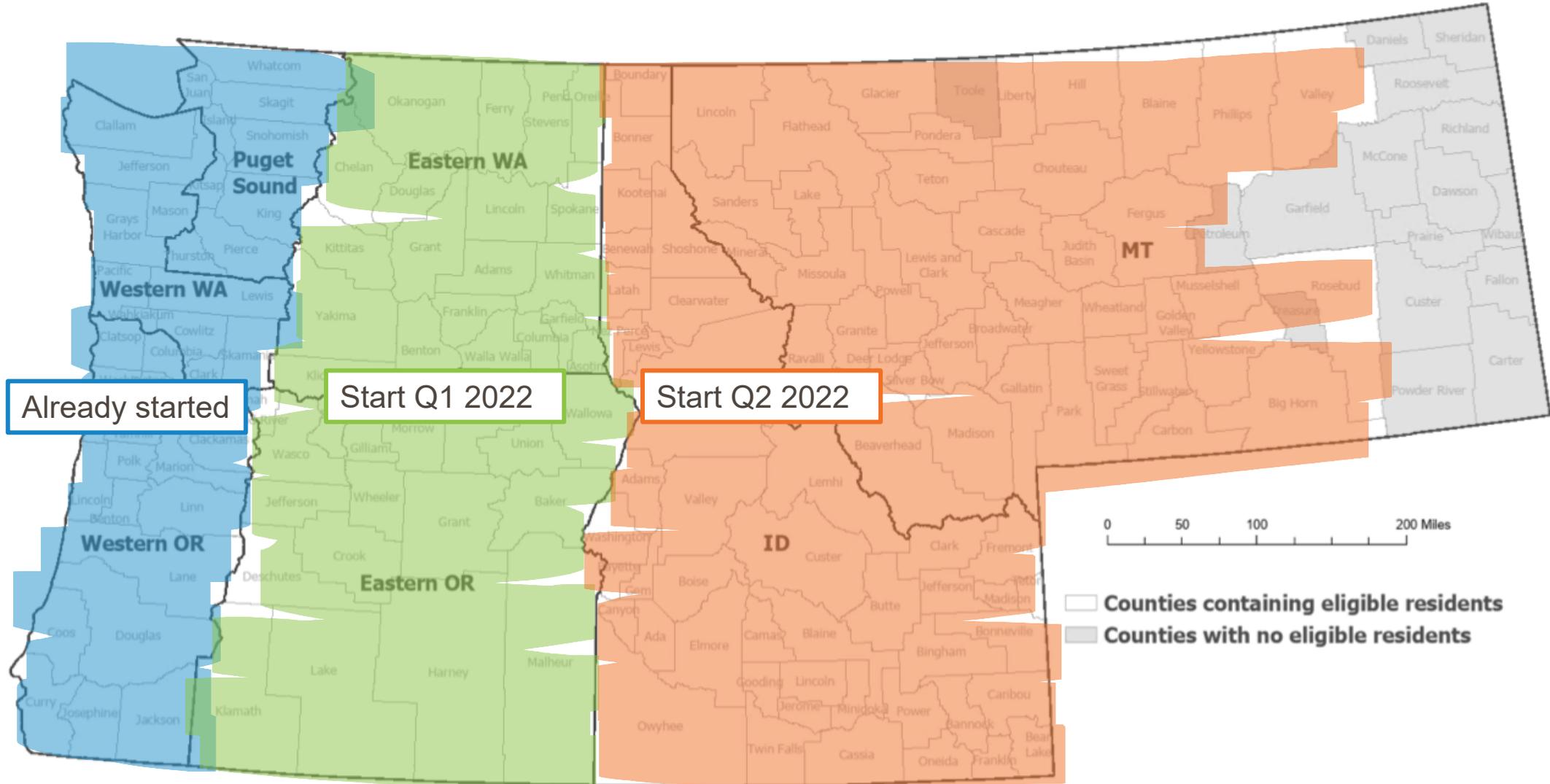
RBSA Timeline - Overview

Study Component	2021				2022				2023
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Study Design and Planning	█								
Systems and Resources Development and Testing	█			█					
Recruitment and Data Collection				█	█		█		
Data Analysis						█		█	
Reporting and Presentations								MF	SF

Site Visits (Core)	2021	2022		
	Q4	Q1	Q2	Q3
Single-Family	160	290	345	335
Multi-Family Bldgs	-	70	105	55
Multi-Family Units	-	168	252	132



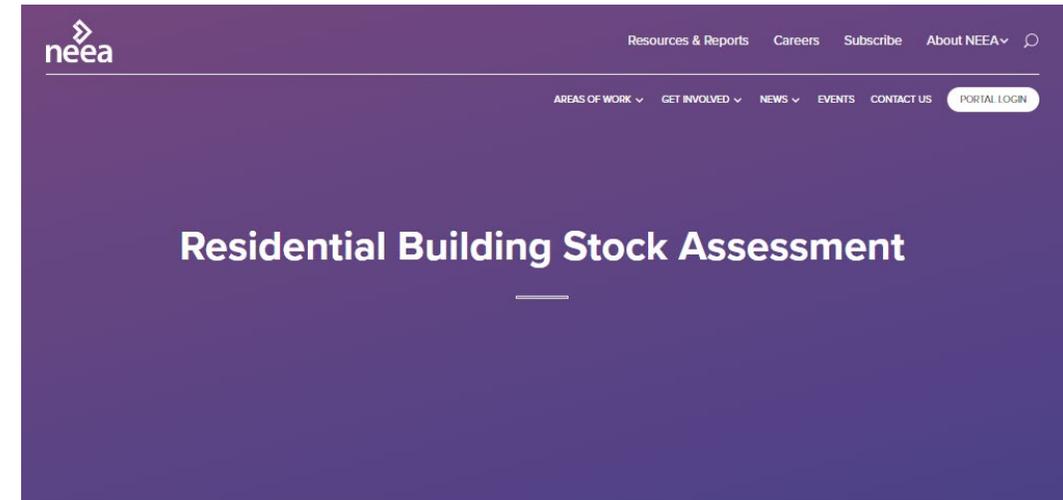
RBSA Timeline – Where and When?





RBSA Info

1. **RBSA FAQ:** Will be on neea.org/RBSA and delivered to utilities prior to recruitment in their service territory.
2. **List serve:** neea.org/subscribe
 1. Building Stock Assessments
3. **Webinars:** Quarterly



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NEEA is planning the next RBSA! We anticipate conducting field work from July 2021 to June 2022 and publishing final datasets and reports by Q1 2023. This timeline is subject to change as we monitor and adapt to the COVID-19 pandemic.

The RBSA is designed to develop a characterization of the residential sector that considers the diverse climates, building practices and fuel choices across the region. This study informs future energy planning efforts as well as energy efficiency utility programs and rebates offered by the region's utilities, the [Energy Trust of Oregon](#) and the [Bonneville Power Administration](#). The most recent RBSA was fielded in 2016. Those reports, database, and supporting documentation are included in the corresponding drop downs below.

Questions on the RBSA?

View our [Frequently Asked Questions](#) and supporting documentation for more info and sign up for the [Northwest Building Stock Research Data subscription list](#) to get timely RBSA updates.



NEEA Contacts



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Questions?



Thank you

